Test Report
Concrete Compresive strength

Project Name	Package 6- a) Providing and fixing furniture and interior works to Mini Vidhana Soudha at Yelahanka in Ward No.01 b) Construction of Additional Floor over existing Samudhaya Bhavana Near Venugopal Swamy Temple in Ward No.02.
Client	The Executive Engineer, Yelahanka Project Division,
Lab No	MCTPL/BBMP/YNK-Project/PMC/2018-2019/QR/01
Mix Type	Concrete(M20)
Contractor	Sri. D K Nagaraj
Test Method	IS : 4031 (part 6)-1988 & Specification for Road & Bridge Works, MORT&H, Rev. V.
Location	Bay
Material	Concrete
Sample No	1
Date	27-Nov-2018

Cube	Concrete Grade	Age at Test (Days)	Weight (kg)	Dimension (LxWxH)	Density (kg/m^3)	Max. Load (KN)	Area (m^2)	Compressive Strength (N/mm^2)	Avg. Sample Strength	Avg. Strength
1	20	7	6.79	150*150*150	2011.85	320	0.0225	14.22	14.00	14.13
2	20	7	6.83	150*150*150	2023.70	310	0.0225	13.78		
3	20	7	6.69	150*150*150	1981.93	315	0.0225	14.00		
4	20	7	7.01	150*150*150	2077.04	318	0.0225	14.13	14.27	
5	20	7	6.82	150*150*150	2020.74	325	0.0225	14.44		
6	20	7	6.79	150*150*150	2012.15	320	0.0225	14.22		

Remarks: 7-days Compressive strength of cement is 14.13 N/mm2

Note:

i. The results indicated above are based on the tests carried out on the sample at site.
ii. The results relate only to the items tested.
iii. This test report should not be reproduced except in full, without written approval of this laboratory.
iv. Any query regarding the report must be reported immediately.

For Mecadez Core Technologies Private Limited

Authorised Signature

Test Report
Concrete Compresive strength

Project Name	Package 6- a) Providing and fixing furniture and interior works to Mini Vidhana Soudha at Yelahanka in Ward No.01 b) Construction of Additional Floor over existing Samudhaya Bhavana Near Venugopal Swamy Temple in Ward No.02.
Client	The Executive Engineer, Yelahanka Project Division,
Job No	MCTPL/BBMP/YNK-Project/PMC/2018-2019/QR/01
Mix Type	Concrete(M20)
Contractor	Sri. D K Nagaraj
Test Method	IS : 4031 (part 6)-1988 & Specification for Road & Bridge Works, MORT&H, Rev. V.
Location	Bay
Material	Concrete
Sample No	2
Date	27-Nov-2018

Cube	Concrete Grade	Age at Test (Days)	Weight (kg)	Dimension (LxWxH)	Density (kg/m^3)	Max. Load (KN)	Area (m^2)	Compressive Strength (N/mm^2)	Avg. Sample Strength	Avg. Strength
1	20	7	6.89	150*150*150	2041.48	322	0.0225	14.31	14.09	14.22
2	20	7	6.93	150*150*150	2053.33	312	0.0225	13.87		
3	20	7	6.79	150*150*150	2011.56	317	0.0225	14.09		
4	20	7	7.11	150*150*150	2106.67	320	0.0225	14.22	14.36	
5	20	7	6.92	150*150*150	2050.37	327	0.0225	14.53		
6	20	7	6.89	150*150*150	2041.78	322	0.0225	14.31		

Results: 7-days Compressive strength of cement is 14.22 N/mm2

Note:

i. The results indicated above are based on the tests carried out on the sample at site.
ii. The results relate only to the items tested.
iii. This test report should not be reproduced except in full, without written approval of this laboratory.
iv. Any query regarding the report must be reported immediately.

For Mecadez Core Technologies Private Limited

Authorised Signature

Test Report
Concrete Compresive strength

Project Name	Package 6- a) Providing and fixing furniture and interior works to Mini Vidhana Soudha at Yelahanka in Ward No.01 b) Construction of Additional Floor over existing Samudhaya Bhavana Near Venugopal Swamy Temple in Ward No.02.
Client	The Executive Engineer, Yelahanka Project Division,
Job No	MCTPL/BBMP/YNK-Project/PMC/2018-2019/QR/01
Mix Type	Concrete(M20)
Contractor	Sri. D K Nagaraj
Test Method	IS : 4031 (part 6)-1988 & Specification for Road & Bridge Works, MORT&H, Rev. V.
Location	Bay
Material	Concrete
Sample No	3
Date	27-Nov-2018

Cube	Concrete Grade	Age at Test (Days)	Weight (kg)	Dimension (LxWxH)	Density (kg/m^3)	Max. Load (KN)	Area (m^2)	Compressive Strength (N/mm^2)	Avg. Sample Strength	Avg. Strength
1	20	7.00	6.98	150*150*150	2068.15	324.00	0.0225	14.40	14.18	14.31
2	20	7.00	7.02	150*150*150	2080.00	314.00	0.0225	13.96		
3	20	7.00	6.88	150*150*150	2038.22	319.00	0.0225	14.18		
4	20	7.00	7.20	150*150*150	2133.33	322.00	0.0225	14.31	14.44	
5	20	7.00	7.01	150*150*150	2077.04	329.00	0.0225	14.62		
6	20	7.00	6.98	150*150*150	2068.44	324.00	0.0225	14.40		

Results: 7-days Compressive strength of cement is 14.31 N/mm2

Note:

i. The results indicated above are based on the tests carried out on the sample at site.

ii. The results relate only to the items tested.

iii. This test report should not be reproduced except in full, without written approval of this laboratory.

iv. Any query regarding the report must be reported immediately.

For Mecadez Core Technologies Private Limited

Authorised Signature

Test Report
Concrete Compresive strength

Project Name	Package 6- a) Providing and fixing furniture and interior works to Mini Vidhana Soudha at Yelahanka in Ward No.01 b) Construction of Additional Floor over existing Samudhaya Bhavana Near Venugopal Swamy Temple in Ward No.02.
Client	The Executive Engineer, Yelahanka Project Division,
Job No	MCTPL/BBMP/YNK-Project/PMC/2018-2019/QR/01
Mix Type	Concrete(M20)
Contractor	Sri. D K Nagaraj
Test Method	IS : 4031 (part 6)-1988 & Specification for Road & Bridge Works, MORT&H, Rev. V.
Location	Bay
Material	Concrete
Sample No	1
Date	18-Dec-2018

Cube	Concrete Grade	Age at Test (Days)	Weight (kg)	Dimension (LxWxH)	Density (kg/m^3)	Max. Load (KN)	Area (m^2)	Compressive Strength (N/mm^2)	Avg. Sample Strength	Avg. Strength
1	20	28	7.91	150*150*150	2343.70	520.00	0.02	23.11	23.30	23.34
2	20	28	7.80	150*150*150	2311.11	525.00	0.02	23.33		
3	20	28	7.70	150*150*150	2281.48	528.00	0.02	23.47		
4	20	28	7.95	150*150*150	2355.56	530.00	0.02	23.56	23.38	
5	20	28	7.91	150*150*150	2343.70	520.00	0.02	23.11		
6	20	28	7.80	150*150*150	2311.11	528.00	0.02	23.47		

Results: 28-days Compressive strength of cement is 23.34 N/mm2

Note:

i. The results indicated above are based on the tests carried out on the sample at site.
ii. The results relate only to the items tested.
iii. This test report should not be reproduced except in full, without written approval of this laboratory.
iv. Any query regarding the report must be reported immediately.

For Mecadez Core Technologies Private Limited

Authorised Signature

Test Report
Concrete Compresive strength

Project Name	Package 6- a) Providing and fixing furniture and interior works to Mini Vidhana Soudha at Yelahanka in Ward No.01 b) Construction of Additional Floor over existing Samudhaya Bhavana Near Venugopal Swamy Temple in Ward No.02.
Client	The Executive Engineer, Yelahanka Project Division,
Unit No	MCTPL/BBMP/YNK-Project/PMC/2018-2019/QR/01
Mix Type	Concrete(M20)
Contractor	Sri. D K Nagaraj
Test Method	IS : 4031 (part 6)-1988 & Specification for Road & Bridge Works, MORT&H, Rev. V.
Location	Bay
Material	Concrete
Sample No	2
Date	18-Dec-2018

Cube	Concrete Grade	Age at Test (Days)	Weight (kg)	Dimension (LxWxH)	Density (kg/m^3)	Max. Load (KN)	Area (m^2)	Cube	Avg. Sample Strength	Avg. Strength
1	20	28	8.01	150*150*150	2373.33	522.00	0.0225	23	23.39	23.43
2	20	28	7.90	150*150*150	2340.74	527.00	0.0225	23		
3	20	28	7.80	150*150*150	2311.11	530.00	0.0225	24		
4	20	28	8.05	150*150*150	2385.19	532.00	0.0225	23.64	23.47	
5	20	28	8.01	150*150*150	2373.33	522.00	0.0225	23.20		
6	20	28	7.90	150*150*150	2340.74	530.00	0.0225	23.56		

Results: 28-days Compressive strength of cement is 23.43 N/mm2

Note:

i. The results indicated above are based on the tests carried out on the sample at site.
ii. The results relate only to the items tested.
iii. This test report should not be reproduced except in full, without written approval of this laboratory.
iv. Any query regarding the report must be reported immediately.

For Mecadez Core Technologies Private Limited

Authorised Signature

Test Report
Concrete Compresive strength

Project Name	Package 6- a) Providing and fixing furniture and interior works to Mini Vidhana Soudha at Yelahanka in Ward No.01 b) Construction of Additional Floor over existing Samudhaya Bhavana Near Venugopal Swamy Temple in Ward No.02.
Client	The Executive Engineer, Yelahanka Project Division,
Job No	MCTPL/BBMP/YNK-Project/PMC/2018-2019/QR/01
Mix Type	Concrete(M20)
Contractor	Sri. D K Nagaraj
Test Method	IS : 4031 (part 6)-1988 & Specification for Road & Bridge Works, MORT&H, Rev. V.
Location	Bay
Material	Concrete
Sample No	3
Date	18-Dec-2018

Cube	Concrete Grade	Age at Test (Days)	Weight (kg)	Dimension (LxWxH)	Density (kg/m^3)	Max. Load (KN)	Area (m^2)	Compressive Strength (N/mm^2)	Avg. Sample Strength	Avg. Strength
1	20	28	8.10	150*150*150	2400.00	524	0.0225	23.29	23.48	23.52
2	20	28	7.99	150*150*150	2367.41	529	0.0225	23.51		
3	20	28	7.89	150*150*150	2337.78	532	0.0225	23.64		
4	20	28	8.14	150*150*150	2411.85	534	0.0225	23.73	23.56	
5	20	28	8.10	150*150*150	2400.00	524	0.0225	23.29		
6	20	28	7.99	150*150*150	2367.41	532	0.0225	23.64		

Results: 28-days Compressive strength of cement is 23.52 N/mm2

Note:

i. The results indicated above are based on the tests carried out on the sample at site.
ii. The results relate only to the items tested.
iii. This test report should not be reproduced except in full, without written approval of this laboratory.
iv. Any query regarding the report must be reported immediately.

For **Mecadez Core Technologies Private Limited**

Authorised Signature

Test Report
Concrete Compresive strength

Project Name	Package 6- a) Providing and fixing furniture and interior works to Mini Vidhana Soudha at Yelahanka in Ward No.01 b) Construction of Additional Floor over existing Samudhaya Bhavana Near Venugopal Swamy Temple in Ward No.02.
Client	The Executive Engineer, Yelahanka Project Division,
Job No	MCTPL/BBMP/YNK-Project/PMC/2018-2019/QR/01
Mix Type	Concrete(M25)
Contractor	Sri. D K Nagaraj
Test Method	IS : 4031 (part 6)-1988 & Specification for Road & Bridge Works, MORT&H, Rev. V.
Location	Bay
Material	Concrete
Sample No	1
Date	5-Sep-2018

Cube	Concrete Grade	Age at Test (Days)	Weight (kg)	Dimension (LxWxH)	Density (kg/m^3)	Max. Load (KN)	Area (m^2)	Compressive Strength (N/mm^2)	Avg. Sample Strength	Avg. Strength
1	20	7	6.79	150*150*150	2011.85	320	0.0225	14.22	14.00	14.13
2	20	7	6.83	150*150*150	2023.70	310	0.0225	13.78		
3	20	7	6.69	150*150*150	1981.93	315	0.0225	14.00		
4	20	7	7.01	150*150*150	2077.04	318	0.0225	14.13	14.27	
5	20	7	6.82	150*150*150	2020.74	325	0.0225	14.44		
6	20	7	6.79	150*150*150	2012.15	320	0.0225	14.22		

Results: 7-days Compressive strength of cement is 14.13 N/mm2

Note:

i. The results indicated above are based on the tests carried out on the sample at site.
ii. The results relate only to the items tested.
iii. This test report should not be reproduced except in full, without written approval of this laboratory.
iv. Any query regarding the report must be reported immediately.

For Mecadez Core Technologies Private Limited

Authorised Signature

Test Report
Concrete Compresive strength

Project Name	Package 6- a) Providing and fixing furniture and interior works to Mini Vidhana Soudha at Yelahanka in Ward No.01 b) Construction of Additional Floor over existing Samudhaya Bhavana Near Venugopal Swamy Temple in Ward No.02.
Client	The Executive Engineer, Yelahanka Project Division,
Work Order	MCTPL/BBMP/YNK-Project/PMC/2018-2019/QR/01
Work Type	Concrete(M25)
Contractor	Sri. D K Nagaraj
Test Method	IS : 4031 (part 6)-1988 & Specification for Road & Bridge Works, MORT&H, Rev. V.
Location	Bay
Material	Concrete
Sample No	1
Date	26-Sep-2018

Cube	Concrete Grade	Age at Test (Days)	Weight (kg)	Dimension (LxWxH)	Density (kg/m^3)	Max. Load (KN)	Area (m^2)	Compressive Strength (N/mm^2)	Avg. Sample Strength	Avg. Strength
1	20	28	8.61	150*150*150	2551.11	680.00	0.02	30.22	30.00	30.11
2	20	28	8.50	150*150*150	2518.52	675.00	0.02	30.00		
3	20	28	8.40	150*150*150	2488.89	670.00	0.02	29.78		
4	20	28	8.65	150*150*150	2562.96	680.00	0.02	30.22	30.22	
5	20	28	8.61	150*150*150	2551.11	650.00	0.02	28.89		
6	20	28	8.50	150*150*150	2518.52	710.00	0.02	31.56		

Therefore 28-days Compressive strength of cement is 30.11 N/mm2

Note:

1. The results indicated above are based on the tests carried out on the sample at site.
2. The results relate only to the items tested.
3. The test report should not be reproduced except in full, without written approval of this laboratory.
4. Any query regarding the report must be reported immediately.

For Mecadez Core Technologies Private Limited

Authorised Signature

Test Report
Solid block

Project Name	Package 6- a) Providing and fixing furniture and interior works to Mini Vidhana Soudha at Yelahanka in Ward No.01 b) Construction of Additional Floor over existing Samudhaya Bhavana Near Venugopal Swamy Temple in Ward No.02.
Client	The Executive Engineer, Yelahanka Project Division,
Job No	MCTPL/BBMP/YNK-Project/PMC/2018-2019/QR/01
Contractor	Sri. D K Nagaraj
Location	Bay
Material	Soild block
Sample No	1
Date	19-Sep-2018

SL.NO	Failure Load in KN	CHARACTERISTIC COMPRESSIVE STRENGTH, fck , in, N/Sq.mm	AVG CHARACTERISTIC COMPRESSIVE STRENGTH, fck in N/Sq.mm	REMARKS
1	471	5.85	5.87	
2	468	5.8		
3	475	5.95		

Results: Compressive strength of solid block is 5.87 N/mm2

Note:

i. The results indicated above are based on the tests carried out on the sample at site.

ii. The results relate only to the items tested.

iii. This test report should not be reproduced except in full, without written approval of this laboratory.

iv. Any query regarding the report must be reported immediately.

For Mecadez Core Technologies Private Limited

Authorised Signature

Test Report
Steel

Project Name	Package 6- a) Providing and fixing furniture and interior works to Mini Vidhana Soudha at Yelahanka in Ward No.01 b) Construction of Additional Floor over existing Samudhaya Bhavana Near Venugopal Swamy Temple in Ward No.02.
Client	The Executive Engineer, Yelahanka Project Division,
Job No	MCTPL/BBMP/YNK-Project/PMC/2018-2019/QR/01
Contractor	Sri. D K Nagaraj
Location	Bay
Material	Steel
Sample No	1
Date	11-Sep-2018

Sl. No.	Dia in mm	Weight in Kg/mtr	Average Weight Kg/mtr	Ultimate Load in KN	Ultimate Tensile stress in N/mm^2	Average Ultimate Tensile Stress N/mm^2	Elongation in mm	Bending and Rebending
1	8 8	0.395 0.398	0.4	32.2 30.4	640.6 604.79	622.7	20	OK
2	10 10	0.601 0.593	0.6	47.2 46.6	600.97 593.33	597.15	20	OK
3	12 12	0.896 0.872	0.88	72.8 70	643.69 618.94	631.32	20	OK
4	16 16	1.598 1.605	1.6	118.5 121	589.37 601.8	595.59	20	OK

i. The results indicated above are based on the tests carried out on the sample at site.

ii. The results relate only to the items tested.

iii. This test report should not be reproduced except in full, without written approval of this laboratory.

iv. Any query regarding the report must be reported immediately.

For Mecadez Core Technologies Private Limited

Authorised Signature